

## PATENT COOPERATION TREATY

RECEIVED

MAY 28 2004

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

P & G Patent Division  
International ITC

To:

THE PROCTOR & GAMBLE COMPANY  
Attn. Reed, David T.  
6110 Center Hill Road  
Cincinnati, OH 45224  
UNITED STATES OF AMERICA

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT  
OR THE DECLARATION

AR: Baker  
CL: Hovvach  
US: Baker & Mc.

(PCT Rule 44.1)

*A. Briatore / R. Bullock / f*

Date of mailing  
(day/month/year)

26/05/2004

Applicant's or agent's file reference

9134R2/CA

FOR FURTHER ACTION

See paragraphs 1 and 4 below

International application No.

PCT/US 03/40229

International filing date  
(day/month/year)

16/12/2003

Applicant

THE PROCTOR &amp; GAMBLE COMPANY

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland  
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.


4. Further action(s): The applicant is reminded of the following:

Shortly after 18 months from the priority date, the International application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the International application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for International publication.

Within 19 months from the priority date, a demand for International preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority

 European Patent Office, P.B. 5818 Patentaan 2  
NL-2260 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Alicja Van der Heijden

Form PCT/ISA/220 (July 1998)

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>9134R2/CA</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/US 03/40229</b>	International filing date (day/month/year) <b>16/12/2003</b>	(Earliest) Priority Date (day/month/year) <b>20/12/2002</b>
Applicant <b>THE PROCTER &amp; GAMBLE COMPANY</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the language, the International search was carried out on the basis of the International application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the International application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the International application, the International search was carried out on the basis of the sequence listing:

☐ contained in the International application in written form.

☐ filed together with the International application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this International search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1  
☐ None of the figures.

Form PCT/ISA/210 (first sheet) (July 1998)

International Application No.

PCT/US 03/40229

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
IPC 7	A61F13/15	A61F13/62 D04H11/08 A44B18/00 A61F13/638
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols)		
IPC 7 A61F D04H A44B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
EPO-Internal		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 624 427 A (DREIER KIMBERLY A ET AL) 29 April 1997 (1997-04-29) claims; figures	1,5-8
X	US 6 155 083 A (GOESER HANS JOACHIM ET AL) 5 December 2000 (2000-12-05) claims; figures	1,2,4-10
X	EP 0 963 747 A (PROCTER & GAMBLE) 15 December 1999 (1999-12-15) paragraphs '0039! - '0046!; figures	9,10
X	US 3 695 270 A (DOSTAL ZDENEK DENNY) 3 October 1972 (1972-10-03) abstract; figures	9,10
-/-		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art *Z* document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
7 May 2004		26/05/2004
Name and mailing address of the ISA European Patent Office, P.B. 5618 Patentstrasse 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl Fax (+31-70) 340-3016		Authorized officer  Seabra, L

Form PCT/ISA/210 (second sheet) (January 2004)

page 1 of 2

International Application No.

PCT/US 03/40229

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 068 071 A (PROCTER & GAMBLE) 17 January 2001 (2001-01-17) claims; figures	1,5-8
A	US 4 035 881 A (ZOCHEK JOSEF) 19 July 1977 (1977-07-19) claims; figures	1,5-8
A	US 3 579 763 A (SOMMER FRANCOIS NOEL) 25 May 1971 (1971-05-25) claims; figures	1,5-8

1

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

page 2 of 2

Information on patent family members

PCT/US 03/40229

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5624427	A	29-04-1997	AT 208175 T	15-11-2001
			AU 686497 B2	05-02-1998
			AU 4695496 A	07-08-1996
			BR 9606920 A	11-11-1997
			CA 2210143 A1	25-07-1996
			CN 1175896 A	11-03-1998
			DE 69616751 D1	13-12-2001
			DE 69616751 T2	01-08-2002
			EP 0804133 A1	05-11-1997
			ES 2164867 T3	01-03-2002
			JP 10512472 T	02-12-1998
			KR 240246 B1	15-01-2000
			WO 9622065 A1	25-07-1996
			ZA 9600367 A	07-08-1996
US 6155083	A	05-12-2000	DE 19705737 A1	20-08-1998
			AT 206606 T	15-10-2001
			DE 59801672 D1	15-11-2001
			EP 0858790 A2	19-08-1998
EP 0963747	A	15-12-1999	EP 0963747 A1	15-12-1999
			AU 3842399 A	20-12-1999
			CA 2333879 A1	09-12-1999
			DE 69907453 D1	05-06-2003
			DE 69907453 T2	25-03-2004
			EP 1089692 A1	11-04-2001
			ES 2194460 T3	16-11-2003
			WO 9962446 A1	09-12-1999
			JP 2002516715 T	11-06-2002
US 3695270	A	03-10-1972	US 3811445 A	21-05-1974
EP 1068071	A	17-01-2001	WO 9951429 A1	14-10-1999
			AT 227210 T	15-11-2002
			AU 6880798 A	25-10-1999
			BR 9815790 A	26-12-2000
			CA 2326559 A1	14-10-1999
			DE 69809296 D1	12-12-2002
			DE 69809296 T2	20-03-2003
			EG 21436 A	31-10-2001
			EP 1068071 A1	17-01-2001
			ES 2187016 T3	16-05-2003
			HU 0102314 A2	28-10-2001
			JP 2002510569 T	09-04-2002
			US 6537936 B1	25-03-2003
			ZA 9902493 A	04-10-1999
US 4035881	A	19-07-1977	DE 2411685 A1	25-09-1975
			AT 351280 B	10-07-1979
			AT 126875 A	15-12-1978
			CH 592767 A5	15-11-1977
			FR 2264117 A1	10-10-1975
			GB 1489483 A	19-10-1977
			JP 50132263 A	20-10-1975
US 3579763	A	25-05-1971	BE 697437 A	02-10-1967
			CH 512618 A	15-09-1971
			DE 1660788 A1	09-09-1971

Form PCT/ISA/210 (patent family annex) (January 2004)

## Information on patent family members

International Application no.

PCT/US 03/40229

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3579763 A		FR 1528749 A	14-06-1968
		FR 1558265 A	28-02-1969
		GB 1162604 A	27-08-1969
		LU 53493 A1	26-06-1967
		NL 6705967 A	30-10-1967
		SE 324550 B	08-06-1970

Form PCT/ISA/210 (patent family annex) (January 2004)

page 2 of 2